



INEEL/EXT-99-00166

Revision 1  
June 1999

# **Health and Safety Plan for Operable Unit 10-04 Remedial Investigation/ Feasibility Study**

**LOCKHEED MARTIN** 

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**Idaho National Engineering and Environmental Laboratory  
Lockheed Martin Idaho Technologies Company  
Environmental Management Department  
Idaho Falls, Idaho 83415**

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# **Health and Safety Plan for Operable Unit 10-04**

## **Remedial Investigation/Feasibility Study**

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**Revision 1**

**June 1999**

**Approved by:**

for T. Stoops

T. M. Stoops, LMITCO ER Department Manager

6/16/99

Date

**Reviewed by:**

D. E. Burns, LMITCO WAG PBS Manager

6/16/99

Date

C. Chebul, LMITCO ER ES&H/QA Manager

6/17/99

Date

## **ABSTRACT**

This Health and Safety Plan establishes the procedures and requirements used to eliminate or minimize health and safety risks to persons working at the OU10-04 task site, as required by the Occupational Safety and Health Administration standard, 29 Code of Federal Regulations, CFR 1910.120/1926.65, Hazardous Waste Operations and Emergency Response. It contains information about the hazards involved in performing the work, as well as the specific actions and equipment that will be used to protect persons while working at the task site. This plan has been prepared to comply with the authorized safety basis as detailed in *Hazard Classification of Environmental Restoration Activities at the INEEL*.



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## **ACRONYMS**

ACGIH	American Conference of Governmental Industrial Hygienists
AL	action level
ALARA	as low as reasonably achievable
ALI	annual limit of intake
Anti-c	anti-contaminant clothing
AOC	Area of Concern
APR	air-purifying respirator
ARDC	Administrative Record and Document Control
CA	Contamination Area
CAM	Continuous Air Monitor
CERCLA	Comprehensive Environmental, Response, Compensation and Liability Act
CFA	Central Facilities Area
CFM	cubic feet per minute
CFR	Code of Federal Regulations
CM	construction manager
CNS	central nervous system
COC	Chain of Custody
COPC	Contaminant of Potential Concern
CRC	Contamination Reduction Corridor
CRZ	Contamination Reduction Zone
CTP	Cold Test Pit
D&D	decontamination and decommissioning
DAC	Derived Air Concentration
DAR	Data Analysis Report

dBA	decibel A-weighted scale
DEQ	Idaho Department of Environmental Quality
DOE	Department of Energy
DOE-ID	DOE Idaho Operations Office
DOT	Department of Transportation
EA	LMITCO Industrial Hygiene Exposure Assessment
EAM	emergency action manager
EC	emergency coordinator
EDF	engineering design file
EO	Environmental Operations
EPA	Environmental Protection Agency
ER	Environmental Restoration
ERIS	Environmental Restoration Information System
ERO	Emergency Response Organization
ERP	Environmental Restoration Program
ESA	ecological study area
ESH & QA	Environmental, Safety, and Health/Quality Assurance
EZ	exclusion zone
FFA/CO	Federal Facility Agreement and Compliance Order
FM	Factory Mutual
FPE	fire protection engineer
FS	feasibility study
FSP	Field Sampling Plan
FTL	field team leader
FUM	Facilities, Utilities, and Maintenance
GPS	Global Positioning System

HASP	Health and Safety Plan
HAZMAT	Hazardous Material
HAZWOPER	Hazardous Waste Operations and Emergency Response
HEPA	high-efficiency particulate air (filter)
HSO	health and safety officer
ICPP	Idaho Chemical Processing Plant
ICS	Incident Command System
IDLH	immediately dangerous to life and health
IDW	investigation-derived waste
IH	Industrial Hygienist
INEEL	Idaho National Engineering and Environmental Laboratory
INTEC	Idaho Nuclear Technology and Engineering Center
IRC	ER Internal, Independent Review Committee
IRTL	Incident Response Team Leader
JSA	Job Safety Analysis
JSS	job-site supervisor
LLW	low-level waste
LMITCO	Lockheed Martin Idaho Technologies Company
MCP	management control procedure
MDA	Mass Detonation Area
MDL	
MSDS	Material Safety Data Sheet
NEPA	National Environmental Policy Act
NIOSH	National Institute of Occupational Safety & Health
NOAA	National Oceanic and Atmospheric Administration
NODA	Naval Ordnance Disposal Area

NRTS	National Reactor Testing Station
OMP	Occupational Medical Program
OMRE	Organic-Moderated Reactor Experiment
OR	ordnance explosive
OSC	On-Scene Commander
OSHA	Occupational Safety and Health Administration
OU	operating unit
PAL	Personnel Accountability Leader
PBF	Power Burst Facility
PCM	personnel contamination monitor
PEL	permissible exposure limit
PID	photoionization detector
PLN	plan
PM	project manager
POD	Plan of the Day
PPE	personal protective equipment
PRD	Program Requirements Directive
PVA	polyvinyl alcohol
QA/QC	Quality Assurance/Quality Control
QAPjP	Quality Assurance Project Plan
QPP	Quality Program Plan
RAM	Remote area monitor
RBA	Radiological buffer area
RCIMS	RAD control information management system
RCT	radiological control technician
RD/RA	Remedial Design/Remedial Action

RCRA	Resource Conservation and Recovery Act
REM	roentgen equivalent man
RI	remedial investigation
RMA	Radioactive Material Area
RRWAC	Reusable Property, Recyclable Material, Waste Acceptance Criteria
RWMC	Radioactive Waste Management Complex
RWP	Radiological Work Permit
SAA	Satellite Accumulation Area
SAP	Sampling and Analysis Plan
SAR	Safety Analysis Report
SCBA	self-contained breathing apparatus
SDA	Subsurface Disposal Area
SE	safety engineer
SMO	sample management office
SOP	Standard Operating Procedure
SNT	Spill Notification Team
SS	(facility) shift supervisor
STEL	short-term exposure limit
STF	Security Training Facility
SVOC	semivolatile organic compound
SWP	Safe Work Permit
SWPP	Storm Water Pollution Prevention
SZ	support zone
TAN	Test Area North
TCLP	Toxicity characteristic leaching procedure
TIC	tentatively identified compound

TIS	Training Inquiry System
TLD	thermoluminescent detector
TLV	threshold-limit value
TPR	Technical Procedure
TRA	Test Reactor Area
TRU	Transuranic
TSA	Transuranic Storage Area
TWA	time weighted average
UL	Underwriters Laboratories
USCG	United States Coast Guard
UXO	unexploded ordnance
VOC	volatile organic compound
VPP	Voluntary Protection Program
WAC	Waste Acceptance Criteria
WAG	Waste Area Group
WCC	Warning Communications Center
WROC	Waste Reduction Operations Complex